

# Comparisons of Job Characteristics

**Focus Occupation: Physician Assistants (29-1071)**  
**Associated Occupation: Anesthesiologists (29-1061)**

Compare Knowledge  
 Compare Skills  
 Compare Abilities  
 Compare Detailed Work Activities  
 Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Physician Assistants (29-1071)  
 Associated Occupation: Anesthesiologists (29-1061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Medicine and Dentistry	3.7	25.0	22.5	< Expanded education and/or training may be required
Biology	3.7	20.4	19.4	0 Current knowledge level may be sufficient
Psychology	6.4	13.8	18.3	>> Current knowledge level is likely more than sufficient
Chemistry	4.8	13.1	11.7	< Expanded education and/or training may be required
Physics	4.3	10.1	6.0	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Physician Assistants (29-1071)  
 Associated Occupation: Anesthesiologists (29-1061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Reading Comprehension	10.7	17.0	15.1	< A higher skill level may be required
Active Listening	11.0	16.3	14.3	< A higher skill level may be required
Critical Thinking	10.8	15.4	14.6	0 Current skill level may be sufficient
Monitoring	9.9	14.8	12.6	< A higher skill level may be required
Judgment and Decision Making	9.4	14.5	13.8	0 Current skill level may be sufficient
Science	4.5	13.9	12.2	< A higher skill level may be required
Time Management	8.9	12.8	11.1	< A higher skill level may be required

Operation Monitoring	6.6	12.6	5.3	<<	Extensive development of skills in this area may be required
Social Perceptiveness	9.1	12.5	13.5	0	Current skill level may be sufficient
Service Orientation	7.9	11.8	12.8	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

<b>Abilities</b>	<b>Similarity of Focus Occupation to Associated Occupation: 94</b>
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**Focus Occupation: Physician Assistants (29-1071)**  
**Associated Occupation: Anesthesiologists (29-1061)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	21.5	16.0	<<	Extensive improvement in abilities may be required
Oral Comprehension	12.5	18.2	16.0	<	Some improvement in abilities may be required
Inductive Reasoning	10.2	17.9	15.0	<	Some improvement in abilities may be required
Deductive Reasoning	10.6	17.0	15.0	<	Some improvement in abilities may be required
Written Comprehension	11.0	15.6	14.2	0	Current ability level may be sufficient
Near Vision	11.1	15.1	12.8	<	Some improvement in abilities may be required
Speech Clarity	10.2	13.7	11.8	<	Some improvement in abilities may be required
Selective Attention	8.7	12.5	9.2	<<	Extensive improvement in abilities may be required
Flexibility of Closure	7.8	12.2	9.1	<<	Extensive improvement in abilities may be required
Perceptual Speed	7.4	11.8	7.7	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

<b>Activities that Both Occupations Have in Common</b>	<b>Similarity of Focus Occupation to Associated Occupation: 92</b>
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**Focus Occupation: Physician Assistants (29-1071)**  
**Associated Occupation: Anesthesiologists (29-1061)**

Work Activities	Exclusivity of Activity
Administer injections	60
Administer medications or treatments	46
Collect clinical data	56
Communicate technical information	4
Conduct complete physical examinations	85

Conduct patient assessments	69
Diagnose medical condition of patient	82
Document medical prognosis	77
Follow examining room procedures	84
Interpret medical laboratory test results	72
Order medical laboratory tests	76
Perform minor surgery	82
Prepare patient reports	66
Record medical history or data	68
Take vital signs	56
Understand properties or composition of drugs	64
Use clinical problem solving techniques	69
Use emergency medical procedures	64
Use interpersonal communication techniques	10
Use knowledge of medical terminology	40
Use medical diagnostic techniques	71
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 80

**Focus Occupation: Physician Assistants (29-1071)**  
**Associated Occupation: Anesthesiologists (29-1061)**

Tools and Technologies	Exclusivity
Acute care monitoring units and related products	22
Anesthesia apparatus and accessories and supplies	47
Blood pressure units and related products	11
Computers	1
Content authoring and editing software	1
Electrocardiography EKG units and related products	20
Emergency medical services resuscitation products	15
Industry specific software	1
Information exchange software	1
Injection and aspiration needles and accessories	25
Intravenous and arterial cannulas and catheters and accessories	29
Intravenous and arterial tubing and administration sets and related products	22
Intravenous infusion pumps and its analyzers and sensors and its accessories	31
Intubation supplies	21
Medical suction and vacuum products	33
Nasoenteric tubes	43
Network applications software	1
Pulmonary function testing and treatment products	24
Pulse oximeters	18

Respiratory monitoring products	29
Scopes and specula and accessories for medical exam diagnostic use	23
Specimen collection and transport containers and supplies	14
Stethoscopes and related products	14
Syringes and accessories	14

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.